

Protocol for Agarose Gel Electrophoresis

Weigh agarose powder and add agarose and TAE buffer to a flask;

Melt the mixture in a microwave until the solution becomes clear;

Let the solution cool to about 50°C and add 1-2µl goldenvue into the solution, and then pour it into the gel casting tray with comb;

Let the gel cool until it becomes solid;

Pull out the comb carefully;

Place the gel in the electrophoresis chamber where is full filled with TAE buffer;

Pipette DNA samples mixed with appropriate amount of loading buffer;

Run the gel at 110V for about half an hour;